

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT				
<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER Hadden 7-29-3-1W				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT WILDCAT				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR NEWFIELD PRODUCTION COMPANY						7. OPERATOR PHONE 435 646-4825				
8. ADDRESS OF OPERATOR Rt 3 Box 3630 , Myton, UT, 84052						9. OPERATOR E-MAIL mcrozier@newfield.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Patented			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Gary L. and Jane Hadden						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-646-3049				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') P.O. Box 203; 3196 West 7200 South, , Myton, UT 84052						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		2200 FNL 2139 FEL		SWNE	29	3.0 S	1.0 W	U		
Top of Uppermost Producing Zone		2200 FNL 2139 FEL		SWNE	29	3.0 S	1.0 W	U		
At Total Depth		2200 FNL 2139 FEL		SWNE	29	3.0 S	1.0 W	U		
21. COUNTY DUCESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 2139			23. NUMBER OF ACRES IN DRILLING UNIT 40				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 0			26. PROPOSED DEPTH MD: 9600 TVD: 9600				
27. ELEVATION - GROUND LEVEL 5047			28. BOND NUMBER B001834			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 437478				
<b>Hole, Casing, and Cement Information</b>										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.5	14	0 - 60	37.0	H-40 ST&C	0.0	Class G	35	1.17	15.8
SURF	12.25	9.625	0 - 2500	36.0	J-55 ST&C	0.0	Premium Lite High Strength	204	3.53	11.0
							Class G	154	1.17	15.8
PROD	8.75	5.5	0 - 9600	17.0	P-110 LT&C	10.0	Premium Lite High Strength	313	3.53	11.0
							50/50 Poz	890	1.24	14.3
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Don Hamilton				TITLE Permitting Agent			PHONE 435 719-2018			
SIGNATURE				DATE 11/17/2011			EMAIL starpoint@etv.net			
API NUMBER ASSIGNED 43013510660000				APPROVAL  Permit Manager						

**Newfield Production Company**  
**Hadden 7-29-3-1W**  
**SW/NE Section 29, T3S, R1W**  
**Duchesne County, UT**

**Drilling Program**

**1. Formation Tops**

Uinta	surface
Green River	3,010'
Garden Gulch member	5,800'
Wasatch	8,150'
TD	9,600'

**2. Depth to Oil, Gas, Water, or Minerals**

Base of moderately saline	1,222'	(water)
Green River	5,800' - 8,150'	(oil)
Wasatch	8,150' - TD	(oil)

**3. Pressure Control**

Section                      BOP Description

Surface                      12-1/4" diverter

Production                      The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 5M system.

A 5M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least 5,000 psi will be used.

**4. Casing**

Description	Interval		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom							Burst	Collapse	Tension
Conductor	0'	60'	37	H-40	Weld	--	--	--	--	--	--
14									--	--	--
Surface	0'	2,500'	36	J-55	STC	8.33	8.33	12	3,520	2,020	394,000
9 5/8									2.51	2.54	4.38
Production	0'	9,600'	17	P-110	LTC	9.5	10	--	10,640	7,460	445,000
5 1/2									2.81	1.85	2.73

Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)

Production casing MASP = (reservoir pressure) - (gas gradient)

All collapse calculations assume fully evacuated casing with a gas gradient

All tension calculations assume air weight of casing

Gas gradient = 0.1 psi/ft

All casing shall be new.

All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

## 5. Cement

Job	Hole Size	Fill	Slurry Description	ft <sup>3</sup>	OH excess	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
				sacks			
Conductor	17 1/2	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	41	15%	15.8	1.17
				35			
Surface Lead	12 1/4	2,000'	Premium Lite II w/ 3% KCl + 10% bentonite	720	15%	11.0	3.53
				204			
Surface Tail	12 1/4	500'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	180	15%	15.8	1.17
				154			
Production Lead	8 3/4	3,800'	Premium Lite II w/ 3% KCl + 10% bentonite	1104	15%	11.0	3.53
				313			
Production Tail	8 3/4	3,800'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	1104	15%	14.3	1.24
				890			

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

Actual cement volumes for the production casing string will be calculated from an open hole caliper log, plus 15% excess.

## 6. Type and Characteristics of Proposed Circulating Medium

<u>Interval</u>	<u>Description</u>
Surface - 2,500'	An air and/or fresh water system will be utilized. If an air rig is used, the blooie line discharge may be less than 100' from the wellbore in order to minimize location size. The blooie line is not equipped with an automatic igniter. The air compressor may be located less than 100' from the well bore due to the low possibility of combustion with the air/dust mixture. Water will be on location to be used as kill fluid, if necessary.
2,500' - TD	A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite. Anticipated maximum mud weight is 10.0 ppg.

## 7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from TD to the base of the

surface casing. A compensated neutron/formation density log will be run from TD to the top of the Garden Gulch formation. A cement bond log will be run from PBTD to the cement top behind the production casing.

Cores: As deemed necessary.

DST: There are no DST's planned for this well.

**8. Anticipated Abnormal Pressure or Temperature**

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.49 psi/ft gradient.

$$9,600' \times 0.49 \text{ psi/ft} = 4742 \text{ psi}$$

No abnormal temperature is expected. No H<sub>2</sub>S is expected.

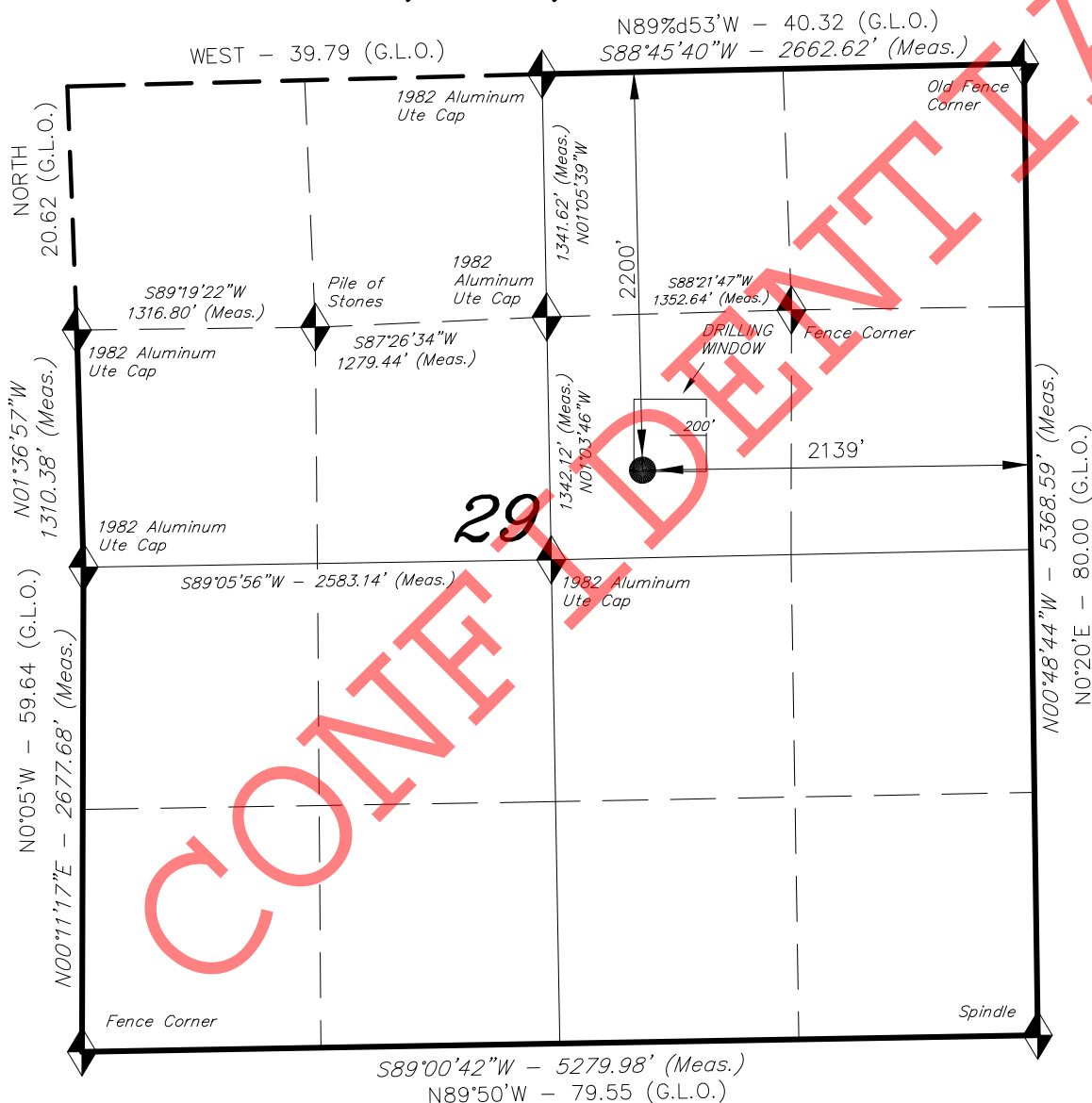
**9. Other Aspects**

This is planned as a vertical well.

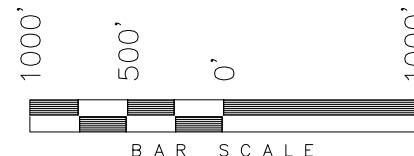
CONFIDENTIAL

**T3S, R1W, U.S.B.&M.**

**NEWFIELD EXPLORATION COMPANY**



WELL LOCATION, 7-29-3-1W, LOCATED AS SHOWN IN THE SW 1/4 NE 1/4 OF SECTION 29, T3S, R1W, U.S.B.&M. DUCHESNE COUNTY, UTAH.



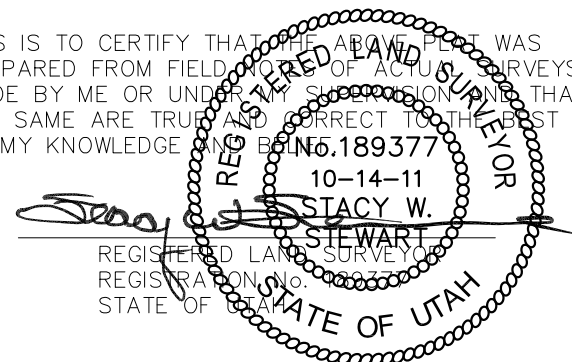
**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

**WELL LOCATION:**  
**7-29-3-1W**

ELEV. UNGRADED GROUND = 5047.0'

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

**7-29-3-1W**  
**(Surface Location) NAD 83**  
LATITUDE = 40° 11' 40.98"  
LONGITUDE = 110° 01' 05.66"

**TRI STATE LAND SURVEYING & CONSULTING**

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 10-10-11	SURVEYED BY: D.P.	VERSION:
DATE DRAWN: 10-11-11	DRAWN BY: F.T.M.	V2
REVISED: 10-19-11	SCALE: 1" = 1000'	

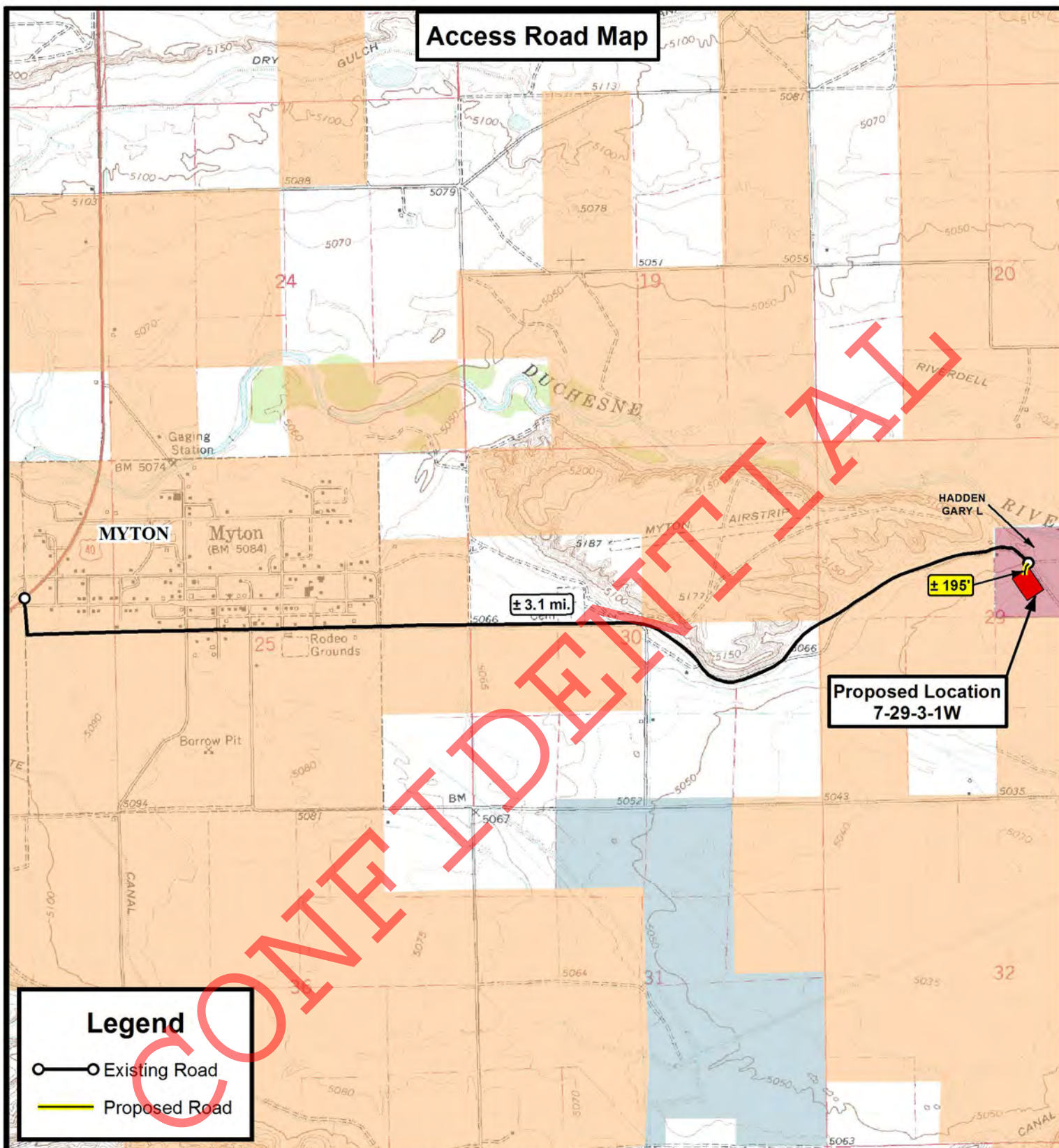
RECEIVED: November 17, 2011







## Access Road Map



## Legend

- Existing Road
- Proposed Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



**Tri State**  
**Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518

**NEWFIELD EXPLORATION COMPANY**

**7-29-3-1W**  
**SEC. 29, T3S, R1W, U.S.B.&M.**  
**Duchesne County, UT.**

DRAWN BY: D.C.R. REVISED: 10-20-11 D.C.R. VERSION:

DATE: 10-13-2011

SCALE: 1" = 2,000'

**V2**

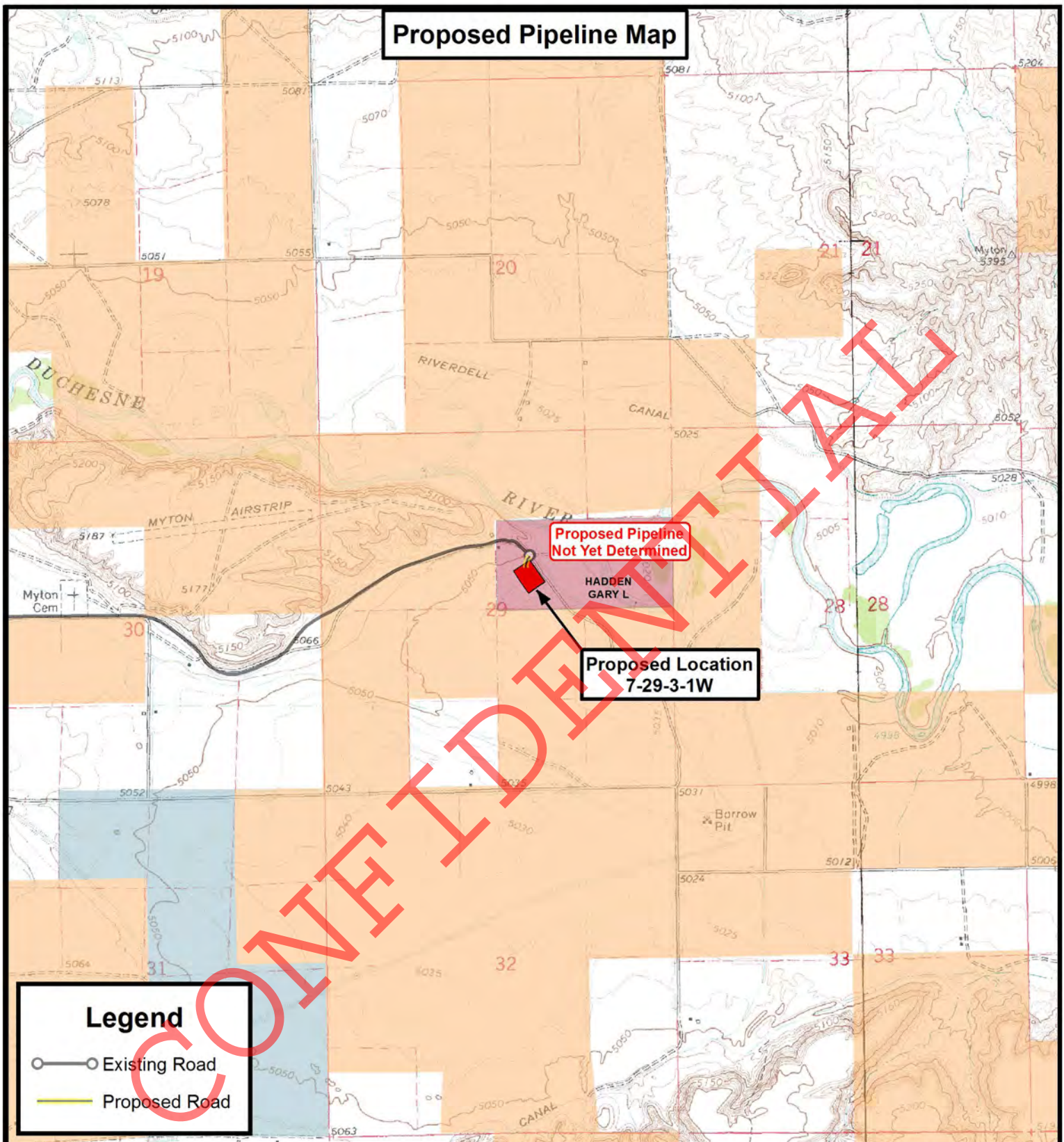
**TOPOGRAPHIC MAP**

SHEET

**B**



# Proposed Pipeline Map



## Legend

- Existing Road
- Proposed Road

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## NEWFIELD EXPLORATION COMPANY

7-29-3-1W  
SEC. 29, T3S, R1W, U.S.B.&M.  
Duchesne County, UT.

DRAWN BY: D.C.R. REVISED: 10-20-11 D.C.R. VERSION:

DATE: 10-13-2011

SCALE: 1" = 2,000'

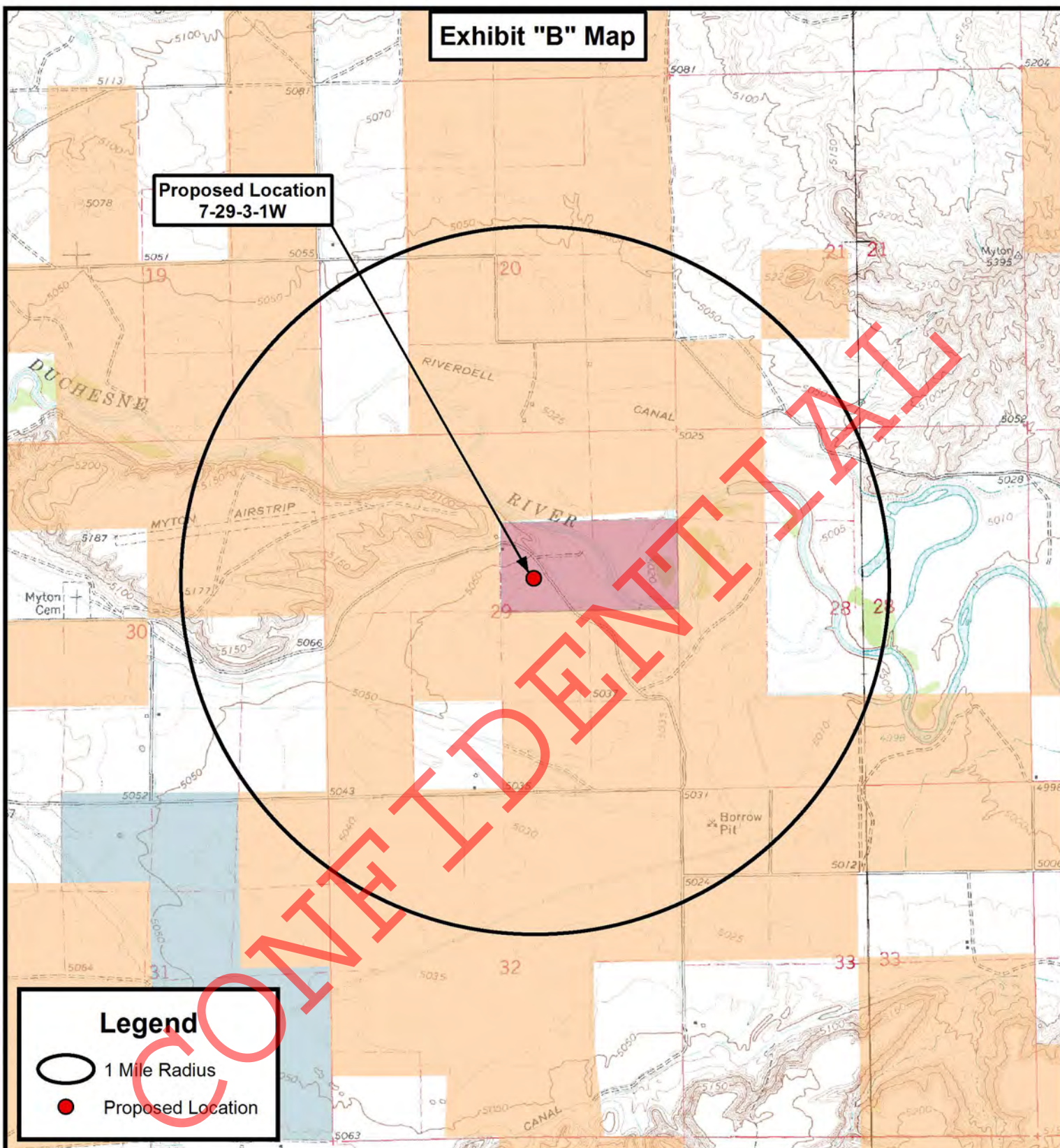
V2

TOPOGRAPHIC MAP

SHEET

C





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F: (435) 781-2518



## NEWFIELD EXPLORATION COMPANY

7-29-3-1W  
SEC. 29, T3S, R1W, U.S.B.&M.  
Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	10-20-11 D.C.R.	VERSION:
DATE:	10-13-2011			V2
SCALE:	1" = 2,000'			

**TOPOGRAPHIC MAP**

SHEET

**D**

**AFFIDAVIT OF EASEMENT, RIGHT-OF-WAY AND  
SURFACE USE AGREEMENT**

Roxann Eveland personally appeared before me, being duly sworn, deposes and with respect to State of Utah R649-3-34.7 says:

1. My name is Roxann Eveland. I am a Landman for Newfield Production Company, whose address is 1001 17<sup>th</sup> Street, Suite 2000, Denver, CO 80202 ("Newfield").
2. Newfield is the Operator of the proposed Hadden 7-29-3-1W well to be located in the SWNE of Section 7, Township 3 South, Range 1 West, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Gary L. Hadden and Jane Hadden, whose address is 3196 West 7200 South, PO Box 203, Myton, UT 84052 ("Surface Owner").
3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated September 21, 2011 covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.

*Roxann Eveland*

**ACKNOWLEDGEMENT**

STATE OF COLORADO       §  
  §  
COUNTY OF DENVER       §

Before me, a Notary Public, in and for the State, on this 6th day of October, 2011, personally appeared Roxann Eveland, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that she executed the same as her own free and voluntary act and deed for the uses and purposes therein set forth.

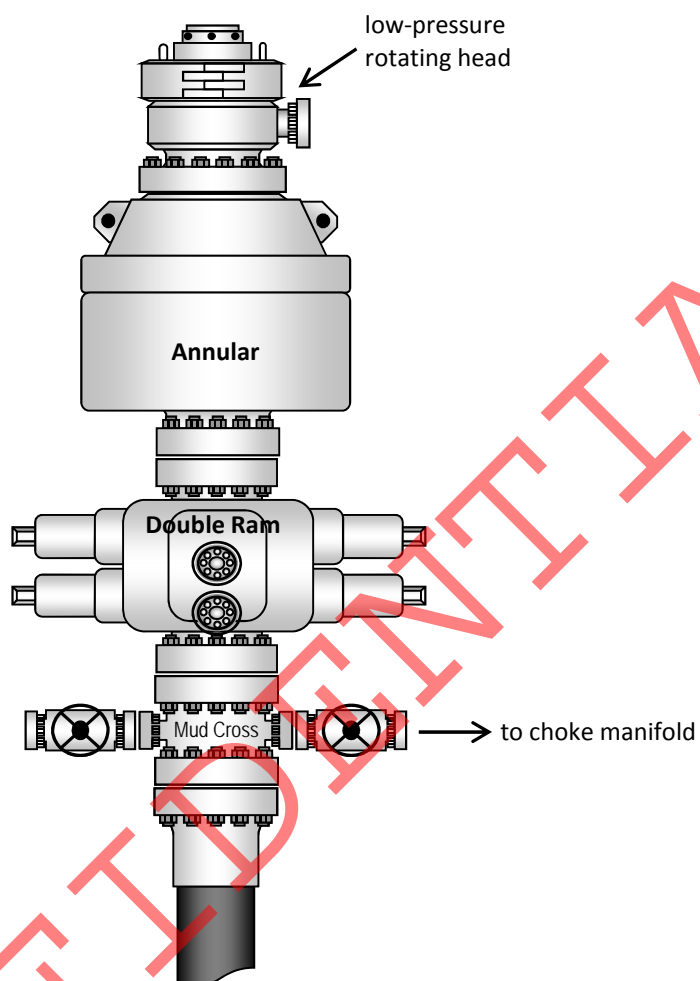
*[Signature]*  
\_\_\_\_\_  
NOTARY PUBLIC

My Commission Expires:





### Typical 5M BOP stack configuration

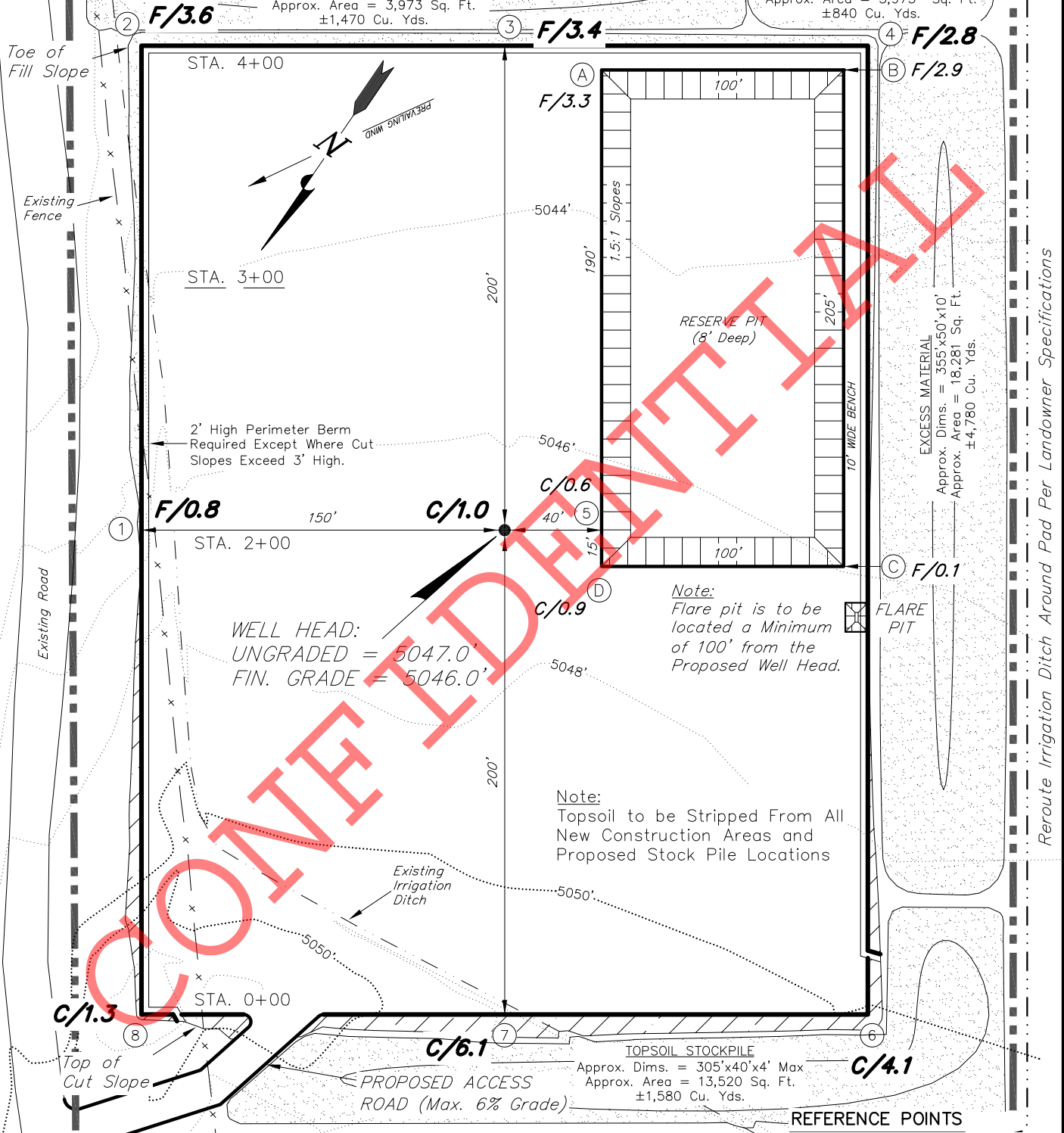


**NEWFIELD EXPLORATION COMPANY****PROPOSED LOCATION LAYOUT****7-29-3-1W****Pad Location: SWNE Section 29, T3S, R1W, U.S.B.&M.****TOPSOIL STOCKPILE**

Approx. Dims. = 275'x40'x4' Max  
 Approx. Area = 3,973 Sq. Ft.  
 ±1,470 Cu. Yds.

**EXCESS MATERIAL**

Approx. Dims. = 100'x40'x10'  
 Approx. Area = 3,973 Sq. Ft.  
 ±840 Cu. Yds.

DISTURBANCE  
BOUNDARY**NOTE:**

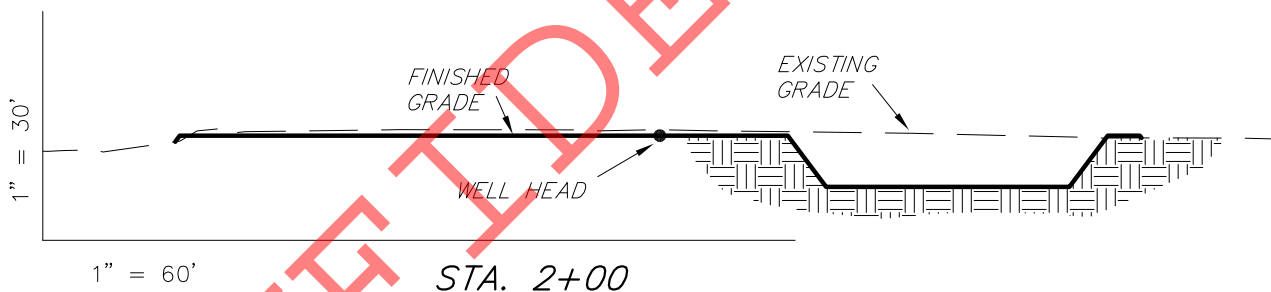
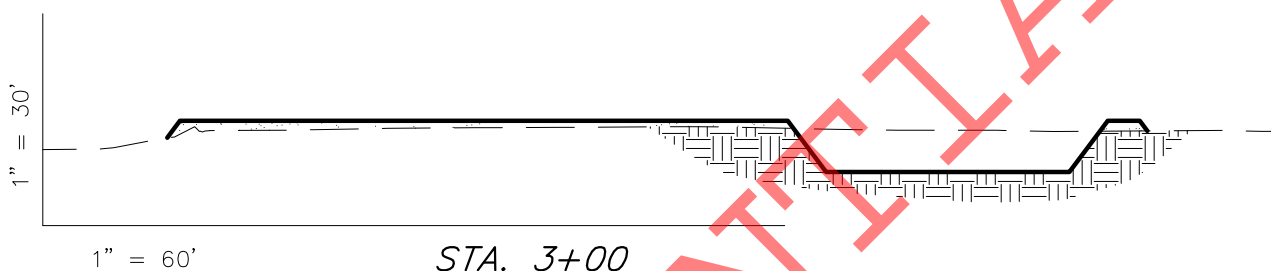
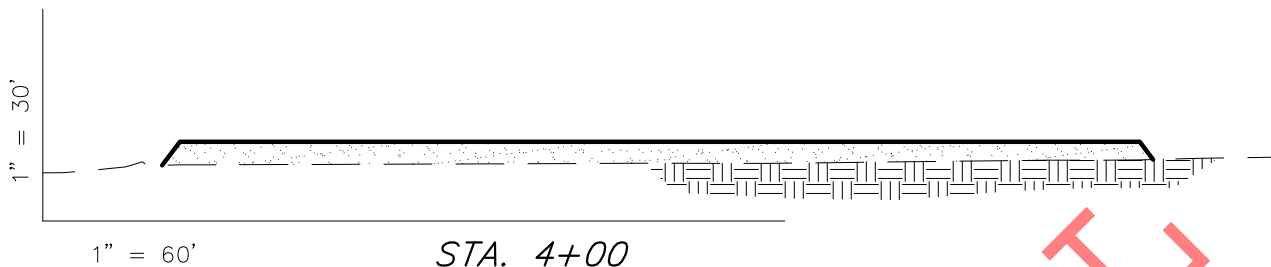
The topsoil & excess material areas are calculated as being mounds containing 8,670 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

SURVEYED BY: D.P.	DATE SURVEYED: 10-10-11	VERSION:
DRAWN BY: R.B.T.	DATE DRAWN: 10-11-11	V2
SCALE: 1" = 60'	REVISED: 10-19-11	

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**NEWFIELD EXPLORATION COMPANY****CROSS SECTIONS****7-29-3-1W***Pad Location: SWNE Section 29, T3S, R1W, U.S.B.&M.*

NOTE:  
UNLESS OTHERWISE  
NOTED ALL CUT/FILL  
SLOPES ARE AT 1.5:1

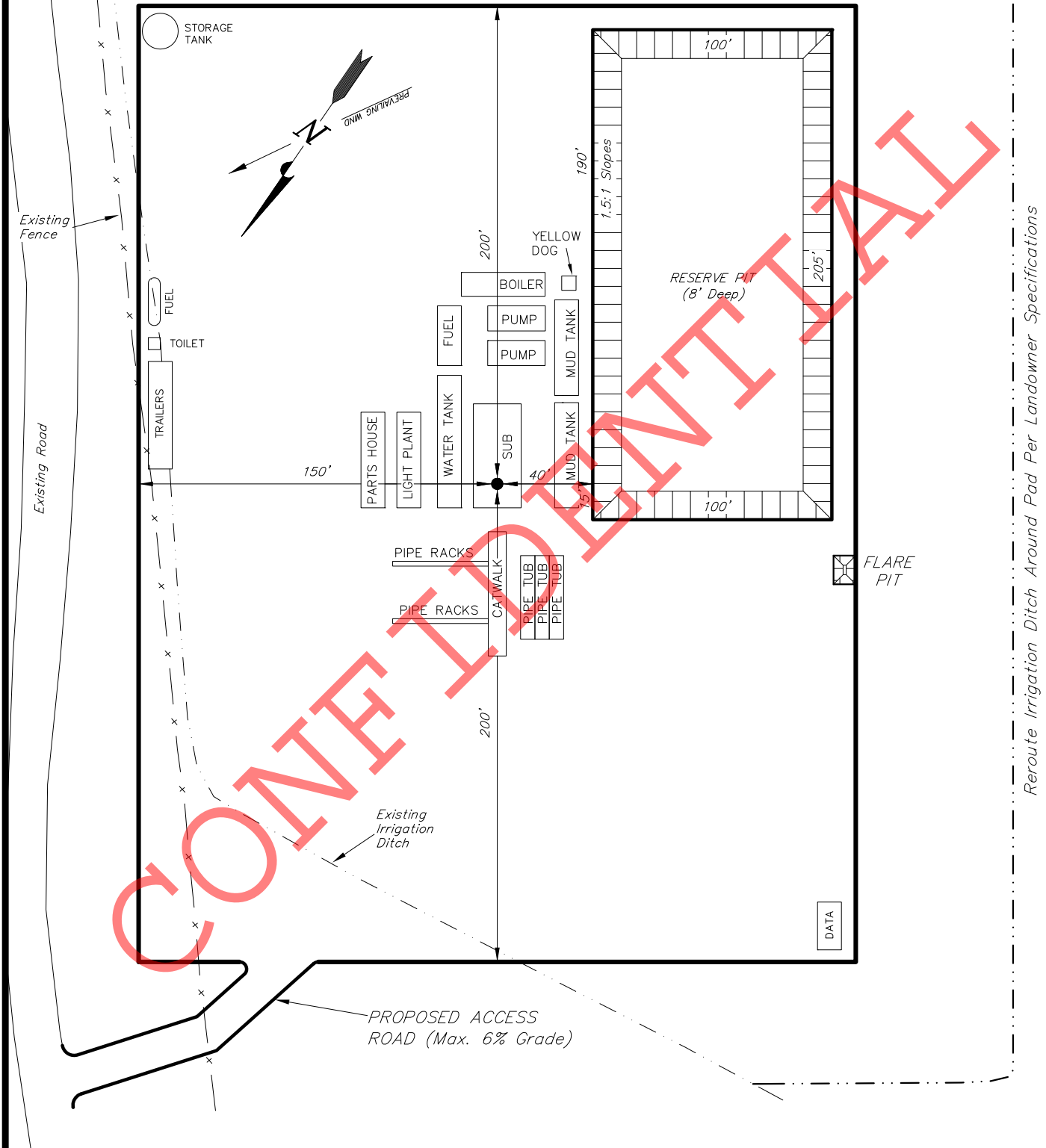
**ESTIMATED EARTHWORK QUANTITIES**  
(No Shrink or swell adjustments have been used)  
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,540	3,480	Topsoil is not included in Pad Cut Volume	60
PIT	5,050	0		5,050
TOTALS	8,590	3,480	2,780	5,110

SURVEYED BY: D.P.	DATE SURVEYED: 10-10-11	VERSION:
DRAWN BY: R.B.T.	DATE DRAWN: 10-11-11	V2
SCALE: 1" = 60'	REVISED: 10-19-11	

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**NEWFIELD EXPLORATION COMPANY****TYPICAL RIG LAYOUT****7-29-3-1W***Pad Location: SWNE Section 29, T3S, R1W, U.S.B.&M.*

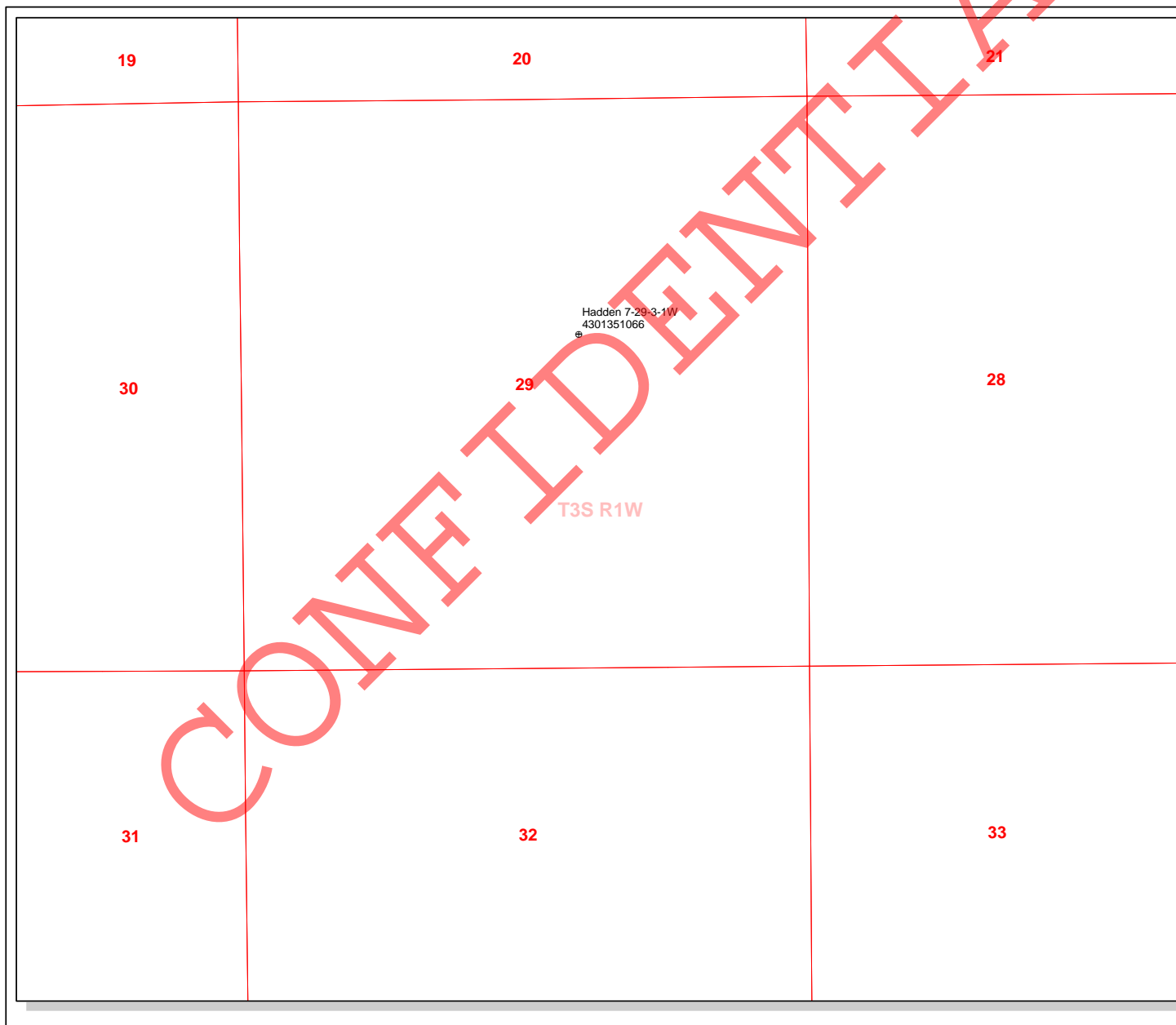
Reroute Irrigation Ditch Around Pad Per Landowner Specifications

SURVEYED BY: D.P.	DATE SURVEYED: 10-10-11	VERSION:
DRAWN BY: R.B.T.	DATE DRAWN: 10-11-11	V2
SCALE: 1" = 60'	REVISED: 10-19-11	

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**Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

**RECEIVED:** November 17, 2011





API Number: 4301351066

Well Name: Hadden 7-29-3-1W

Township T0.3 . Range R0.1 . Section 29

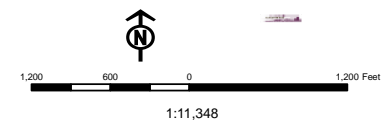
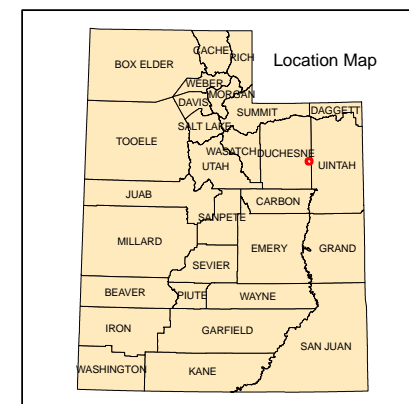
Meridian: UBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:

Map Produced by Diana Mason

Units	Wells Query
<b>STATUS</b>	<b>Status</b>
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LA - Location Abandoned
PI OIL	LOC - New Location
PP GAS	OPS - Operation Suspended
PP GEOTHERM	PA - Plugged Abandoned
PP OIL	PGW - Producing Gas Well
SECONDARY	POW - Producing Oil Well
TERMINATED	RET - Returned APD
<b>Fields</b>	<b>Status</b>
Unknown	SGW - Shut-in Gas Well
ABANDONED	SOW - Shut-in Oil Well
ACTIVE	TA - Temp. Abandoned
COMBINED	TW - Test Well
INACTIVE	WDW - Water Disposal
STORAGE	WW - Water Injection Well
TERMINATED	WSW - Water Supply Well



Well Name	NEWFIELD PRODUCTION COMPANY Hadden 7-29-3-1W 4301351066			
String	COND	SURF	PROD	
Casing Size(in)	14.000	9.625	5.500	
Setting Depth (TVD)	60	2500	9600	
Previous Shoe Setting Depth (TVD)	0	60	2500	
Max Mud Weight (ppg)	8.3	8.3	10.0	
BOPE Proposed (psi)	0	500	5000	
Casing Internal Yield (psi)	1000	3520	10640	
Operators Max Anticipated Pressure (psi)	4742		9.5	

Calculations	COND String	14.000	"
Max BHP (psi)	.052*Setting Depth*MW=	26	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	19	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	13	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	13	NO
Required Casing/BOPE Test Pressure=		60	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	SURF String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	1079	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	779	NO diverter
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	529	NO Ok
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	542	NO Reasonable, no expected pressure
Required Casing/BOPE Test Pressure=		2464	psi
*Max Pressure Allowed @ Previous Casing Shoe=		60	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	4992	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3840	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2880	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3430	NO OK
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		2500	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient



# 43013510660000 Hadden 7-29-3-1W

## Casing Schematic

Surface

12 1/2"

15 1/2"

Uinter

to surf @ 2% w/o, tail 1980'

TOC @ 940 - 1222' BMSW (Newfield)  
1250 ± BMSW

#5 stop ✓

2188' tail

Surface  
2500. MD

3010' Green River

TOC @ 3445.

to 2124' @ 5% w/o, tail 5864'

propose to 2000'

#5 stop ✓

5800' Garden Gulch mbr.

6524' tail

8150' Wasatch

9-5/8"  
MW 8.3  
Frac 19.3

5-1/2"  
MW 10.

Production  
9600. MD

✓ Stop cmts.

CONFIDENTIAL

Well name:	<b>43013510660000 Hadden 7-29-3-1W</b>	
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>	
String type:	Surface	Project ID: 43-013-51066
Location:	DUCHESE COUNTY	

**Design parameters:****Collapse**

Mud weight: 8.330 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 109 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 940 ft

**Burst**

Max anticipated surface pressure: 2,200 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 2,500 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.

Neutral point: 2,192 ft

**Non-directional string.****Re subsequent strings:**

Next setting depth: 9,600 ft  
Next mud weight: 10.000 ppg  
Next setting BHP: 4,987 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 2,500 ft  
Injection pressure: 2,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	2500	9.625	36.00	J-55	ST&C	2500	2500	8.796	21730
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1082	2020	1.867	2500	3520	1.41	90	394	4.38 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: February 7, 2012  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 2500 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:	<b>430135110660000 Hadden 7-29-3-1W</b>	
Operator:	<b>NEWFIELD PRODUCTION COMPANY</b>	
String type:	Production	Project ID: 43-013-51066
Location:	DUCHESNE COUNTY	

**Design parameters:****Collapse**

Mud weight: 10.000 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 208 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

Cement top: 3,445 ft

**Burst**

Max anticipated surface pressure: 2,875 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 4,987 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

Tension is based on air weight.  
Neutral point: 8,144 ft

**Non-directional string.**

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	9600	5.5	17.00	P-110	LT&C	9600	9600	4.767	63232
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	4987	7480	1.500	4987	10640	2.13	163.2	445	2.73 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: February 7, 2012  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 9600 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.



**ON-SITE PREDRILL EVALUATION****Utah Division of Oil, Gas and Mining**

**Operator** NEWFIELD PRODUCTION COMPANY  
**Well Name** Hadden 7-29-3-1W  
**API Number** 43013510660000 **APD No** 4926 **Field/Unit** WILDCAT  
**Location: 1/4,1/4** SWNE **Sec** 29 **Tw** 3.0S **Rng** 1.0W 2200 FNL 2139 FEL  
**GPS Coord (UTM)** **Surface Owner** Gary L. and Jane Hadden

**Participants**

M. Jones, M. Reinbold, (UDOGM), Tim Eaton, Z. McIntyre (Newfield), Gary Hadden (surface).

**Regional/Local Setting & Topography**

This location is proposed approximately 3 road miles east of Myton, Utah in Duchesne County. The surrounding topography is mostly flat. The site is characterized as farm ground.

**Surface Use Plan****Current Surface Use**

Grazing  
Agricultural

**New Road  
Miles**

0.04

**Well Pad**

**Width** 250 **Length** 400

**Src Const Material**

Onsite

**Surface Formation**

**Ancillary Facilities** N

**Waste Management Plan Adequate?**

Y

**Environmental Parameters**

**Affected Floodplains and/or Wetlands** N

**Flora / Fauna**

afalfa field.

**Soil Type and Characteristics**

clay loam.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required?** Y

Divert drainages around and away from the location and access road.

**Berm Required?** Y

Berm the location to prevent fluids from leaving or entering the well pad.

**Erosion Sedimentation Control Required?** N

Paleo Survey Run? N    Paleo Potential Observed? N    Cultural Survey Run? N    Cultural Resources? N

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

<b>Distance to Groundwater (feet)</b>	100 to 200	5
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	>1320	0
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>	10 to 20	5
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Not Present	0
<b>Final Score</b>		25    1 Sensitivity Level

**Characteristics / Requirements**

Dugout earthen (100' x 80' x 8') outside of pad dimensions.

**Closed Loop Mud Required? N    Liner Required? Y    Liner Thickness 16    Pit Underlayment Required? N**

**Other Observations / Comments**

Mark Jones  
Evaluator

11/9/2011  
Date / Time

# Application for Permit to Drill Statement of Basis

2/16/2012

Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
4926	43013510660000	LOCKED	OW	P	No
<b>Operator</b>	NEWFIELD PRODUCTION COMPANY		<b>Surface Owner-APD</b>	Gary L. and Jane Hadden	
<b>Well Name</b>	Hadden 7-29-3-1W		<b>Unit</b>		
<b>Field</b>	WILDCAT		<b>Type of Work</b>	DRILL	
<b>Location</b>	SWNE 29 3S 1W U 2200 FNL (UTM) 583568E 4449829N		2139 FEL	GPS Coord	

## Geologic Statement of Basis

Newfield proposes to set 60' of conductor and 2,500' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 1,250'. A search of Division of Water Rights records shows 8 water wells within a 10,000 foot radius of the center of Section 29. The nearest well is located over 3/4 mile from the proposed location. Depths range from 42 to 300 feet. Only 2 wells exceed 50 feet in depth. Water use is listed as irrigation, stock watering, and domestic use. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Surface casing cement should be brought up to ground surface.

Brad Hill  
APD Evaluator

1/9/2012  
Date / Time

## Surface Statement of Basis

This location is proposed approximately 3 road miles east of Myton, Utah in Duchesne County. The surrounding topography is mostly flat. The site is characterized as farm ground. A culvert will be needed across access road as at pad interception point. The old ditch running through the pad can be abandoned. It was discussed by Newfield representatives that the reserve pit will likely be smaller than was turned in with the APD. The landowner was invited and was in attendance for the pre-site inspection. The location should be bermed to prevent spills from leaving the confines of the pad. Fencing around the reserve pit will be necessary once the well is drilled to prevent wildlife and livestock from becoming a problem. Drainages should be diverted around and away from wellpad and access road. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit.

Mark Jones  
Onsite Evaluator

11/9/2011  
Date / Time

## Conditions of Approval / Application for Permit to Drill

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

RECEIVED: February 16, 2012



## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/17/2011

API NO. ASSIGNED: 43013510660000

WELL NAME: Hadden 7-29-3-1W

OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)

PHONE NUMBER: 435 719-2018

CONTACT: Don Hamilton

PROPOSED LOCATION: SWNE 29 030S 010W

Permit Tech Review: ☒

SURFACE: 2200 FNL 2139 FEL

Engineering Review: ☒

BOTTOM: 2200 FNL 2139 FEL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.19470

LONGITUDE: -110.01821

UTM SURF EASTINGS: 583568.00

NORTHINGS: 4449829.00

FIELD NAME: WILDCAT

LEASE TYPE: 4 - Fee

LEASE NUMBER: Patented

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: STATE - B001834☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: 437478☒ RDCC Review: 2012-02-09 00:00:00.0☒ Fee Surface Agreement☐ Intent to Commingle

Commingle Approved

## LOCATION AND SITING:

☐ R649-2-3.

Unit:

☐ R649-3-2. General☐ R649-3-3. Exception☒ Drilling Unit

Board Cause No: R649-3-2

Effective Date:

Siting:

☐ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill  
12 - Cement Volume (3) - ddoucet  
21 - RDCC - dmason  
23 - Spacing - dmason  
25 - Surface Casing - hmacdonald

RECEIVED: February 16, 2012



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** Hadden 7-29-3-1W  
**API Well Number:** 43013510660000  
**Lease Number:** Patented  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 2/16/2012

**Issued to:**

NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

**Authority:**

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**General:**

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**Conditions of Approval:**

The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. The operator will be required to comply with any applicable recommendations resulting from this review. (See attached)

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Surface casing shall be cemented to the surface.

Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 2000' MD as indicated in the submitted drilling plan.

**Additional Approvals:**

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan contact Dustin Doucet
- Significant plug back of the well contact Dustin Doucet
- Plug and abandonment of the well contact Dustin Doucet

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well contact Carol Daniels

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well contact Dan Jarvis

**Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to



API Well No: 43013510660000

implementation

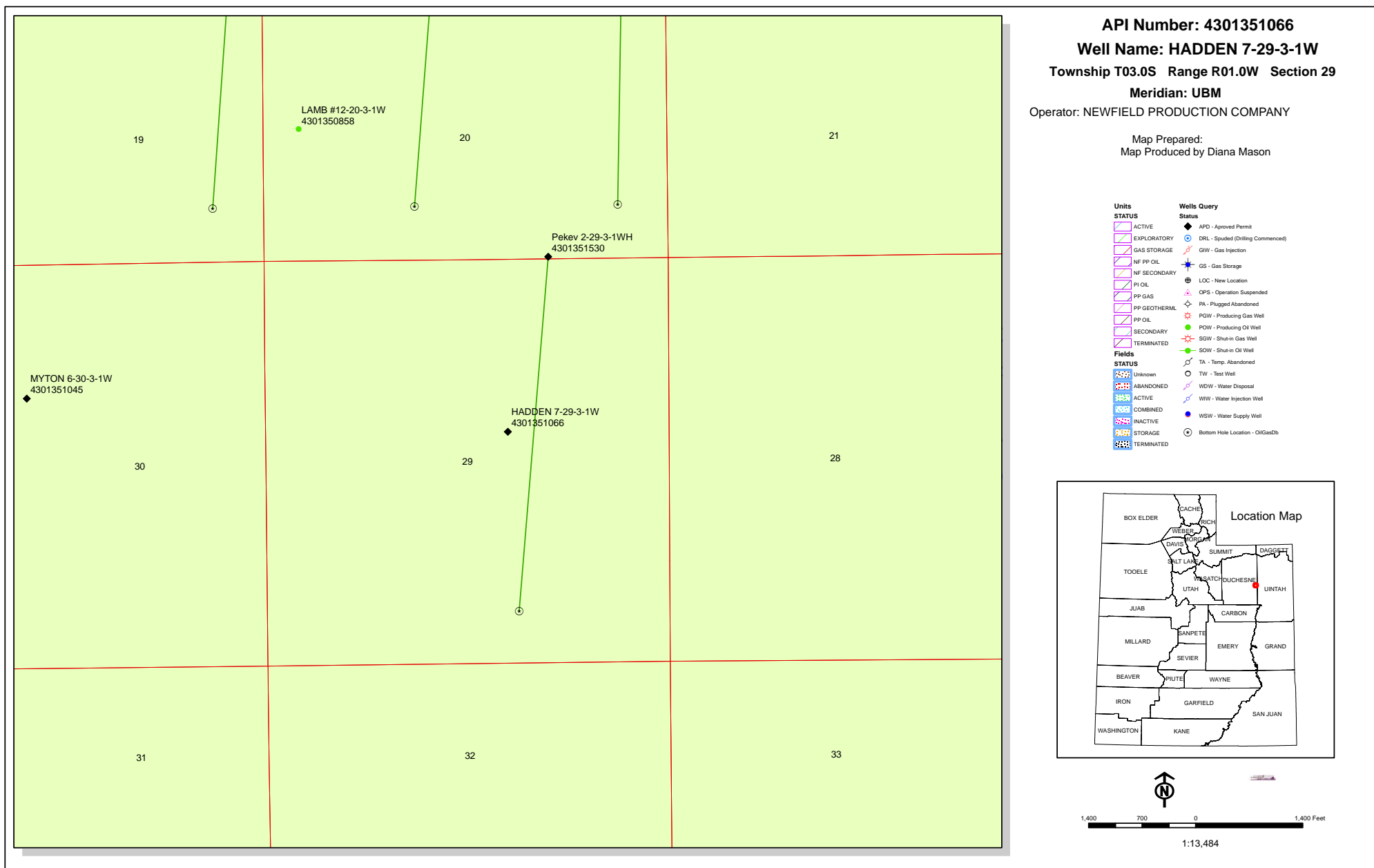
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

**Approved By:**

A handwritten signature in black ink, appearing to read "J. Rogers", written over a horizontal line.

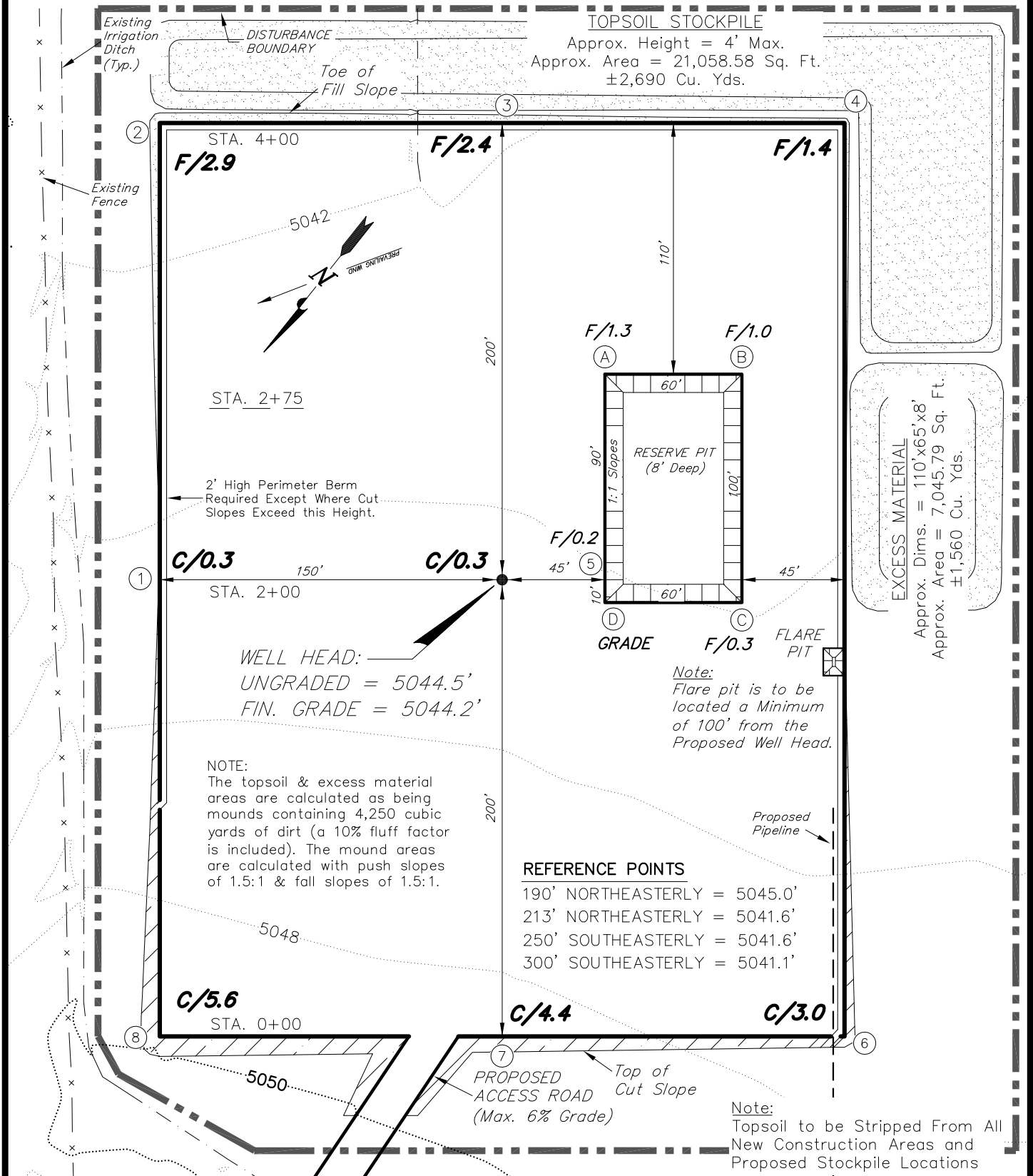
For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Patented
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> HADDEN 7-29-3-1W
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2306 FNL 2117 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 29 Township: 03.0S Range: 01.0W Meridian: U		<b>9. API NUMBER:</b> 43013510660000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 12/15/2012  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE   <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS   <input type="checkbox"/> CHANGE WELL STATUS   <input type="checkbox"/> DEEPEN   <input type="checkbox"/> OPERATOR CHANGE   <input type="checkbox"/> PRODUCTION START OR RESUME   <input type="checkbox"/> REPERFORATE CURRENT FORMATION   <input type="checkbox"/> TUBING REPAIR   <input type="checkbox"/> WATER SHUTOFF   <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING   <input type="checkbox"/> CHANGE TUBING   <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS   <input type="checkbox"/> FRACTURE TREAT   <input type="checkbox"/> PLUG AND ABANDON   <input type="checkbox"/> RECLAMATION OF WELL SITE   <input type="checkbox"/> SIDETRACK TO REPAIR WELL   <input type="checkbox"/> VENT OR FLARE   <input type="checkbox"/> SI TA STATUS EXTENSION   <input type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR   <input type="checkbox"/> CHANGE WELL NAME   <input type="checkbox"/> CONVERT WELL TYPE   <input type="checkbox"/> NEW CONSTRUCTION   <input type="checkbox"/> PLUG BACK   <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION   <input type="checkbox"/> TEMPORARY ABANDON   <input type="checkbox"/> WATER DISPOSAL   <input type="checkbox"/> APD EXTENSION           OTHER: <input style="width: 100px;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  <div style="display: flex;"> <div style="flex: 1;"> <p>Newfield Production Company requests approval to relocate the previously approved Hadden 7-29 -3-1W 108 feet southeast to minimize impacts to an existing irrigation ditch. The new location for the Hadden 7-29-3-1W is 2306' FNL &amp; 2117' FEL, Section 29, T3S, R1W, USB&amp;M. Attached please find an updated plat package with exception to spacing and a landowner affidavit approving of the relocation.</p> </div> <div style="flex: 0.5; text-align: right; padding-right: 20px;"> <p style="color: red; font-weight: bold;">Approved by the Utah Division of Oil, Gas and Mining</p> <p style="color: red; font-weight: bold;">Date: December 24, 2012</p> <p style="color: red; font-weight: bold;">By: </p> </div> </div>		
<b>NAME (PLEASE PRINT)</b> Don Hamilton	<b>PHONE NUMBER</b> 435 719-2018	<b>TITLE</b> Permitting Agent
<b>SIGNATURE</b> N/A		<b>DATE</b> 11/20/2012





<b>NAD 83 (SURFACE LOCATION)</b>
LATITUDE = 40°11'39.93"
LONGITUDE = 110°01'05.38"
<b>NAD 27 (SURFACE LOCATION)</b>
LATITUDE = 40°11'40.08"
LONGITUDE = 110°01'02.85"

**NEWFIELD EXPLORATION COMPANY****PROPOSED LOCATION LAYOUT****7-29-3-1W***Pad Location: SWNE Section 29, T3S, R1W, U.S.B.&M.*1/4 Section  
Line

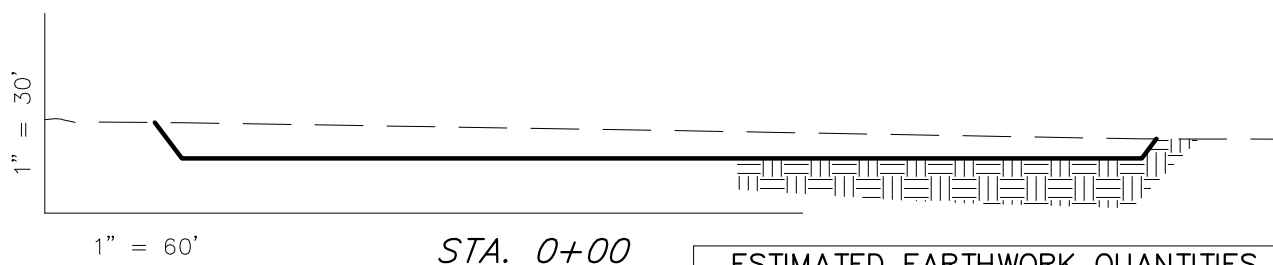
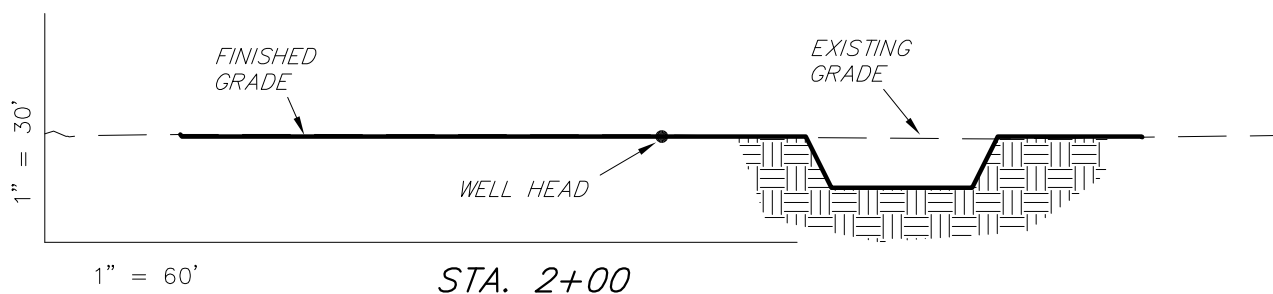
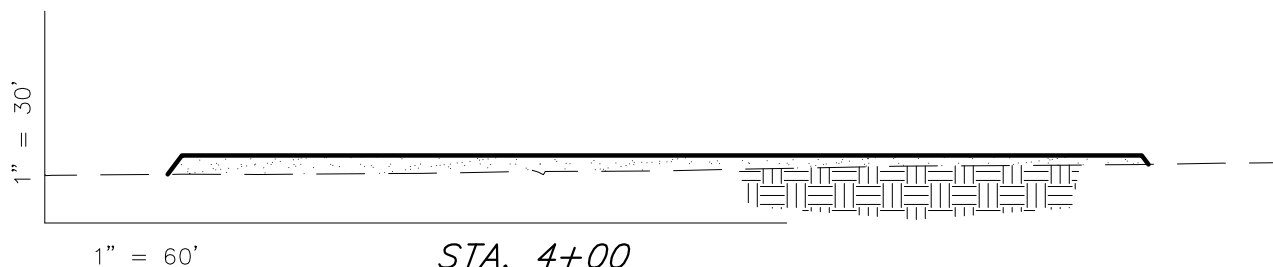
SURVEYED BY: Q.M.	DATE SURVEYED: 08-30-12	VERSION:
DRAWN BY: R.B.T.	DATE DRAWN: 10-11-11	V4
SCALE: 1" = 60'	REVISED: V.H. 09-19-12	

**Tri State**

(435) 781-2501

**Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

**NEWFIELD EXPLORATION COMPANY****CROSS SECTIONS****7-29-3-1W***Pad Location: SWNE Section 29, T3S, R1W, U.S.B.&M.*

**ESTIMATED EARTHWORK QUANTITIES**  
 (No Shrink or swell adjustments have been used)  
 (Expressed in Cubic Yards)

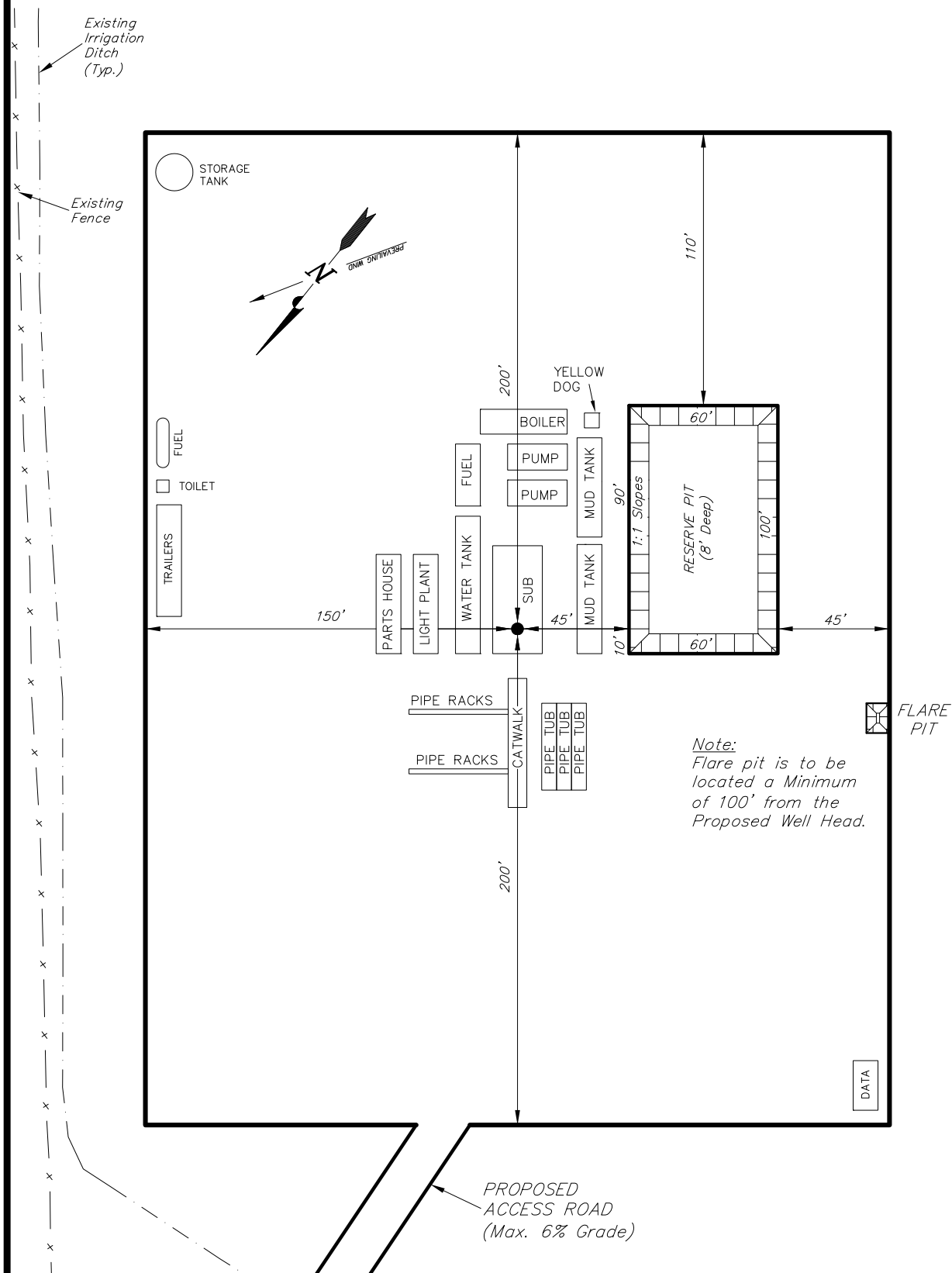
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	3,660	3,660	Topsoil is not included in Pad Cut Volume	0
PIT	1,420	0		1,420
TOTALS	5,080	3,660	2,450	1,420

NOTE:  
 UNLESS OTHERWISE  
 NOTED ALL CUT/FILL  
 SLOPES ARE AT 1.5:1

SURVEYED BY: Q.M.	DATE SURVEYED: 08-30-12	VERSION:
DRAWN BY: R.B.T.	DATE DRAWN: 10-11-11	V4
SCALE: 1" = 60'	REVISED: V.H. 09-19-12	

**Tri State** (435) 781-2501  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: Nov. 20, 2012

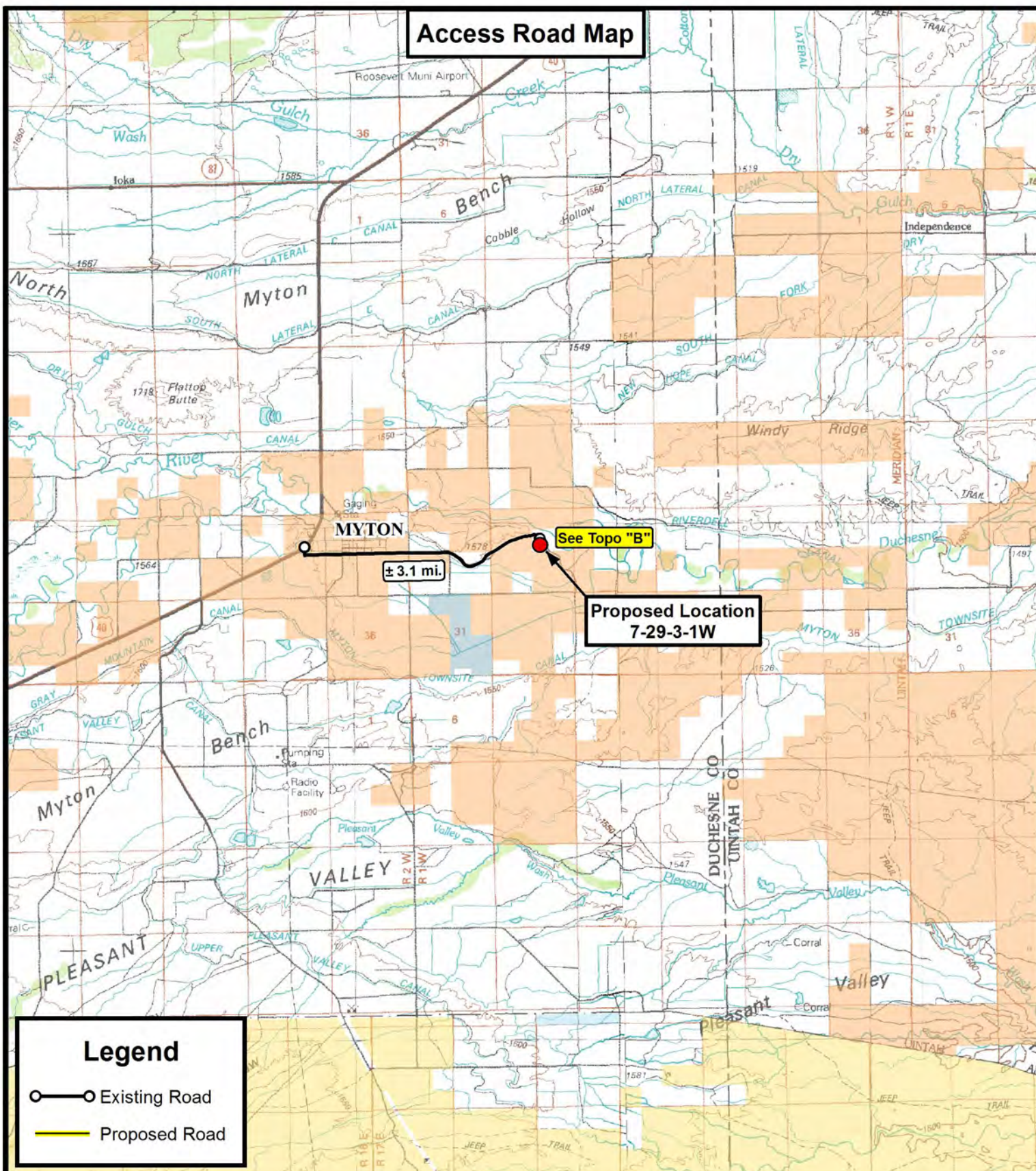
**NEWFIELD EXPLORATION COMPANY****TYPICAL RIG LAYOUT****7-29-3-1W***Pad Location: SWNE Section 29, T3S, R1W, U.S.B.&M.*1/4 Section  
Line

SURVEYED BY: Q.M.	DATE SURVEYED: 08-30-12	VERSION:
DRAWN BY: R.B.T.	DATE DRAWN: 10-11-11	V4
SCALE: 1" = 60'	REVISED: V.H. 09-19-12	

**Tri State** (435) 781-2501  
**Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078



# Access Road Map



## Legend

- Existing Road
- Proposed Road



**Tri State**  
**Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



## NEWFIELD EXPLORATION COMPANY

**7-29-3-1W**  
**SEC. 29, T3S, R1W, U.S.B.&M.**  
**Duchesne County, UT.**

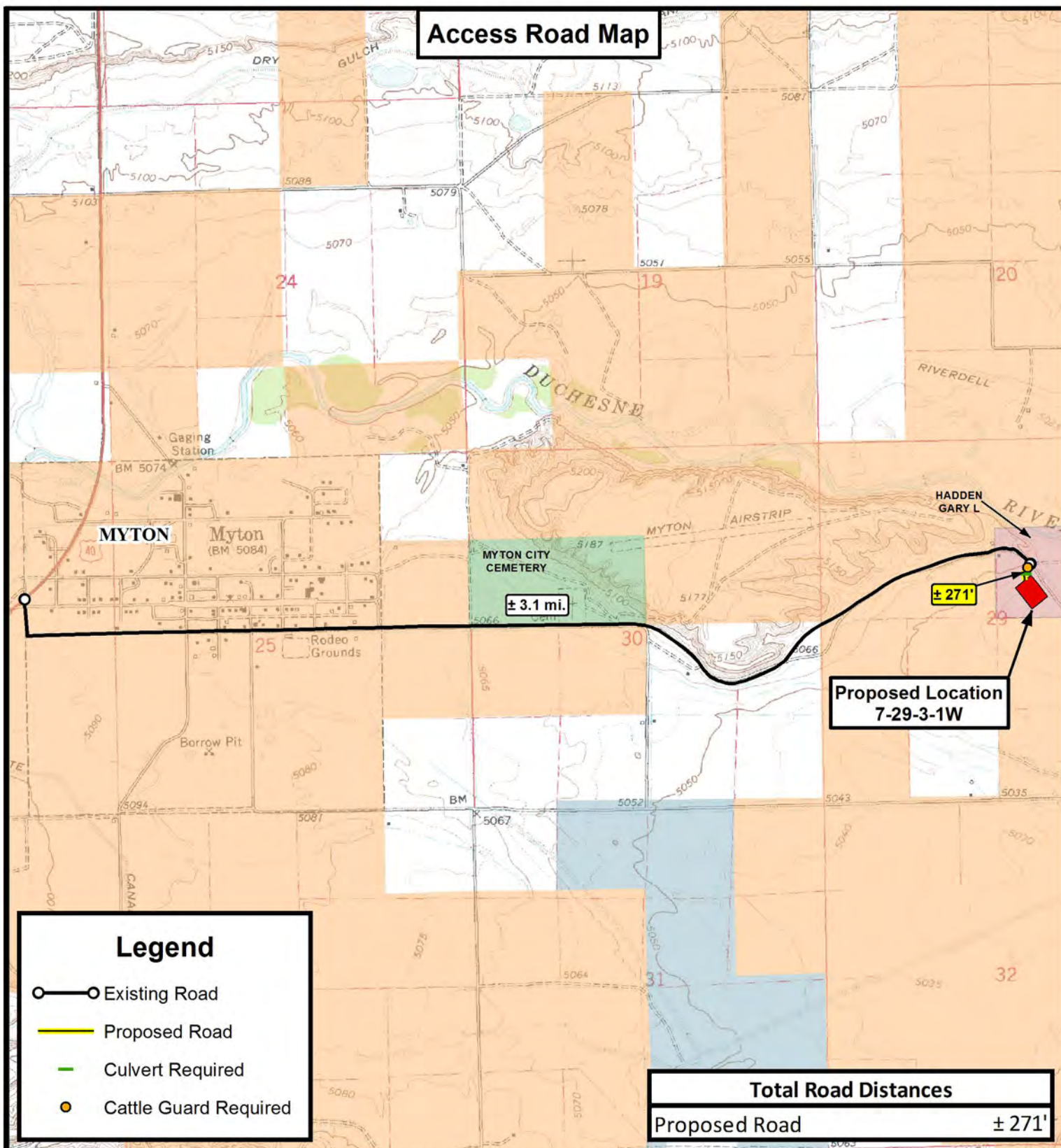
DRAWN BY:	D.C.R.	REVISED:	09-19-12 A.P.C.	VERSION:
DATE:	10-13-2011			<b>V4</b>
SCALE:	1:100,000			

**TOPOGRAPHIC MAP**

SHEET  
**A**



## Access Road Map



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
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## NEWFIELD EXPLORATION COMPANY

7-29-3-1W  
SEC. 29, T3S, R1W, U.S.B.&M.  
Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	09-19-12 A.P.C.	VERSION:
DATE:	10-13-2011			V4
SCALE:	1" = 2,000'			

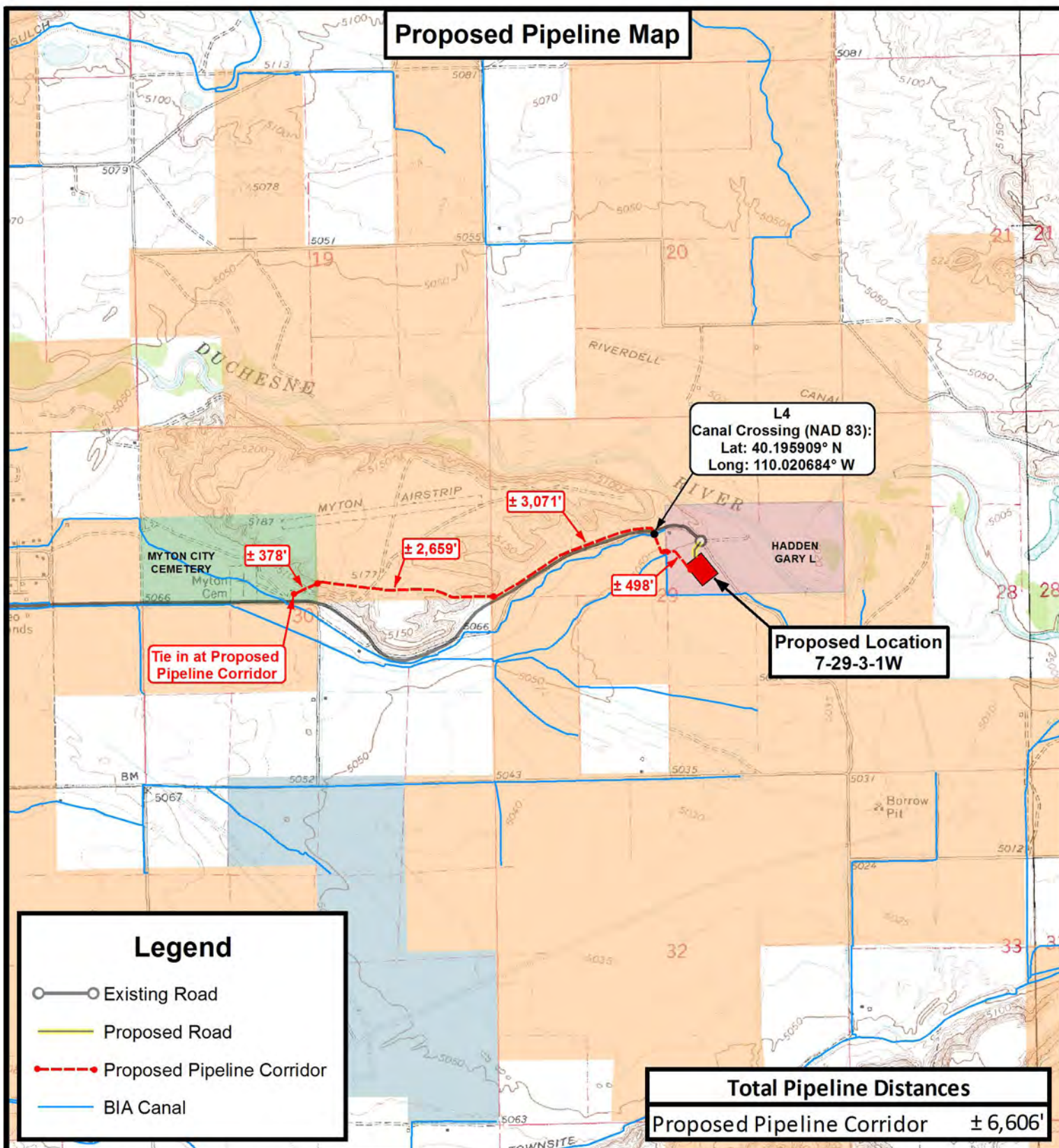
TOPOGRAPHIC MAP

SHEET

B



# Proposed Pipeline Map



## Legend

- Existing Road
- Proposed Road
- Proposed Pipeline Corridor
- BIA Canal

## Total Pipeline Distances

Proposed Pipeline Corridor ± 6,606'

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



**Tri State**  
**Land Surveying, Inc.**

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## NEWFIELD EXPLORATION COMPANY

7-29-3-1W  
SEC. 29, T3S, R1W, U.S.B.&M.  
Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	09-19-12 A.P.C.	VERSION:
DATE:	10-13-2011			V4
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET  
**C1**



# Proposed Pipeline Map

Detail

± 125'

L4  
Canal Crossing (NAD 83):  
Lat: 40.195909° N  
Long: 110.020684° W

See "Detail"

Tie in at Proposed  
Pipeline Corridor

Proposed Location  
7-29-3-1W

## Legend

- Existing Road
- Proposed Road
- Proposed Pipeline Bore
- Proposed Pipeline Corridor
- BIA Canal

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

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180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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## NEWFIELD EXPLORATION COMPANY

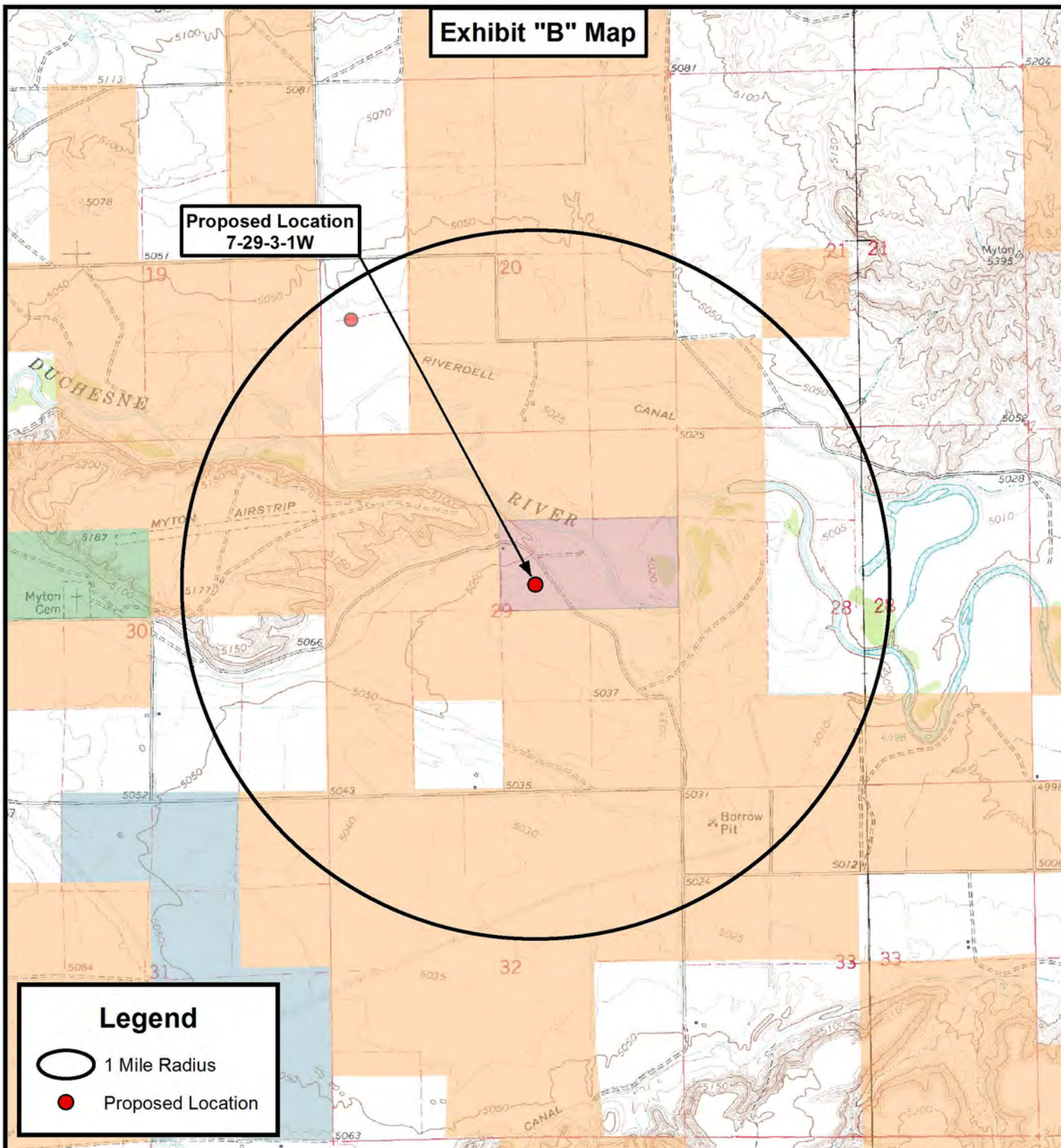
7-29-3-1W  
SEC. 29, T3S, R1W, U.S.B.&M.  
Duchesne County, UT.

DRAWN BY:	D.C.R.	REVISED:	09-19-12 A.P.C.	VERSION:
DATE:	10-13-2011			V4
SCALE:	1" = 2,000'			

TOPOGRAPHIC MAP

SHEET  
**C2**





THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

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**NEWFIELD EXPLORATION COMPANY**

**7-29-3-1W**  
**SEC. 29, T3S, R1W, U.S.B.&M.**  
**Duchesne County, UT.**

DRAWN BY:	D.C.R.	REVISED:	09-19-12 A.P.C.
DATE:	10-13-2011		
SCALE:	1" = 2,000'		
		V4	

**TOPOGRAPHIC MAP**

SHEET  
**D**

## Coordinate Report

[illegible]

NEWFIELD EXPLORATION COMPANY

**7-29-3-1W**  
**SEC. 29, T3S, R1W, U.S.B.&M.**  
**Duchesne County, UT.**

DRAWN BY:	A.P.C.
DATE:	09-19-2012
VERSION:	V4

REVISÉ:

## COORDINATE REPORT

SHEET

1





December 6, 2012

State of Utah  
Division of Oil, Gas & Mining  
ATTN: Brad Hill  
PO Box 145801  
Salt Lake City, UT 84114

RE: Hadden 7-29-3-1W  
Township 3 South, Range 1 West, Section 29  
Duchesne County, Utah

Dear Mr. Hill;

Newfield Production Company ("Newfield") has submitted a Sundry Notice for the Hadden 7-29-3-1W regarding its intent to relocate the previously approved location for this well 108' southeast to minimize the impacts to an existing irrigation ditch. This move will cause the location of the Hadden 7-29-3-1W to be closer than 1320' to a portion of the proposed horizontal wellbore of the Pekev 2-29-3-1WH, a location that has not been drilled. The APD for the Pekev 2-29-3-1WH was approved on August 21, 2012.

Please be advised the Hadden 7-29-3-1W shall not be completed in the Uteland Butte, and the Pekev 2-29-3-1WH shall only be completed in the Uteland Butte. Due to these circumstances, Newfield respectfully requests that DOGM administratively grant an exception location for the Hadden 7-29-3-1W.

If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-4444 or by email at [reveland@newfield.com](mailto:reveland@newfield.com). Your consideration of this matter is greatly appreciated.

Sincerely,

A handwritten signature in blue ink that reads "Roxann Eveland".

Roxann Eveland  
Landman

**Landowner Affidavit**

We, Gary L. Hadden and Jane Hadden, were present at the location on site meeting on November 30, 2011 for the Hadden 7-29-3-1W, located in the SWNE of Section 29, Township 3 South, Range 1 West, Duchesne County, Utah. I am fully aware that the drillsite was moved 106 feet south and 22 feet east from its originally staked location. Its current location is 2,306 feet from the north line and 2,117 feet from the east line. I hereby agree with the current position of the drillsite location and that the certain Surface Use Agreement, Easement and Right-of-Way dated September 21, 2011 between Gary L. Hadden and Jane Hadden and Newfield Production Company covers the entire drillsite location as it is built and constructed.

Gary L. Hadden  
Gary L. Hadden

Jane Hadden  
Jane Hadden

ACKNOWLEDGEMENT

STATE OF Utah §  
§  
COUNTY OF Duchesne §

This instrument was acknowledged before me this 14<sup>th</sup> day of November, 2012 by Gary L. Hadden.

Witness my hand and official seal.

Kalecia C. Fowler  
NOTARY PUBLIC

My Commission Expires: Nov 15, 2014

STATE OF Utah §  
§  
COUNTY OF Duchesne §



This instrument was acknowledged before me this 14<sup>th</sup> day of November, 2012 by Jane Hadden.

Witness my hand and official seal.

Kalecia C. Fowler  
NOTARY PUBLIC

My Commission Expires: Nov 15, 2014



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Patented
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> HADDEN 7-29-3-1W
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. API NUMBER:</b> 43013510660000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2306 FNL 2117 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 29 Township: 03.0S Range: 01.0W Meridian: U		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>2/16/2013</b>	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> ACIDIZE</div> <div style="width: 33%;"><input type="checkbox"/> ALTER CASING</div> <div style="width: 33%;"><input type="checkbox"/> CASING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TUBING</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL NAME</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL STATUS</div> <div style="width: 33%;"><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</div> <div style="width: 33%;"><input type="checkbox"/> CONVERT WELL TYPE</div> <div style="width: 33%;"><input type="checkbox"/> DEEPEN</div> <div style="width: 33%;"><input type="checkbox"/> FRACTURE TREAT</div> <div style="width: 33%;"><input type="checkbox"/> NEW CONSTRUCTION</div> <div style="width: 33%;"><input type="checkbox"/> OPERATOR CHANGE</div> <div style="width: 33%;"><input type="checkbox"/> PLUG AND ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> PLUG BACK</div> <div style="width: 33%;"><input type="checkbox"/> PRODUCTION START OR RESUME</div> <div style="width: 33%;"><input type="checkbox"/> RECLAMATION OF WELL SITE</div> <div style="width: 33%;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</div> <div style="width: 33%;"><input type="checkbox"/> TEMPORARY ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> TUBING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> VENT OR FLARE</div> <div style="width: 33%;"><input type="checkbox"/> WATER DISPOSAL</div> <div style="width: 33%;"><input type="checkbox"/> WATER SHUTOFF</div> <div style="width: 33%;"><input type="checkbox"/> SI TA STATUS EXTENSION</div> <div style="width: 33%;"><input checked="" type="checkbox"/> APD EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</div> <div style="width: 33%;"><input type="checkbox"/> OTHER</div> </div>
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	
OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Newfield proposes to extend the Application For Permit to Drill.

**Approved by the  
 Utah Division of  
 Oil, Gas and Mining**

**Date:** February 19, 2013

**By:**

<b>NAME (PLEASE PRINT)</b> Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	<b>TITLE</b> Regulatory Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/6/2013	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Request for Permit Extension Validation Well Number 43013510660000**

**API:** 43013510660000

**Well Name:** HADDEN 7-29-3-1W

**Location:** 2306 FNL 2117 FEL QTR SWNE SEC 29 TWP 030S RNG 010W MER U

**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY

**Date Original Permit Issued:** 2/16/2012

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☒ Yes ☐ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Signature:** Mandie Crozier

**Date:** 2/6/2013

**Title:** Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1001 17th Street, Suite 2000, Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> HADDEN 7-29-3-1W
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2306 FNL 2117 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 29 Township: 03.0S Range: 01.0W Meridian: U		<b>9. API NUMBER:</b> 43013510660000
<b>PHONE NUMBER:</b> 303 382-4443 Ext		<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 2/3/2014  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input checked="" type="checkbox"/> <b>APD EXTENSION</b>          OTHER: <input style="width: 100%;" type="text"/> </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This sundry is being submitted to request an extension to this APD that expires 2/16/2014.		
<b>Approved by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> December 18, 2013 <b>By:</b>		
<b>NAME (PLEASE PRINT)</b> Melissa Luke		<b>PHONE NUMBER</b> 303 323-9769
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Technician
<b>DATE</b> 12/16/2013		





**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Request for Permit Extension Validation Well Number 43013510660000**

**API:** 43013510660000

**Well Name:** HADDEN 7-29-3-1W

**Location:** 2306 FNL 2117 FEL QTR SWNE SEC 29 TWP 030S RNG 010W MER U

**Company Permit Issued to:** NEWFIELD PRODUCTION COMPANY

**Date Original Permit Issued:** 2/16/2012

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**Signature:** Melissa Luke

**Date:** 12/16/2013

**Title:** Regulatory Technician **Representing:** NEWFIELD PRODUCTION COMPANY



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

February 19, 2015

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

Re: APDs Rescinded Newfield Production Company, Duchesne County

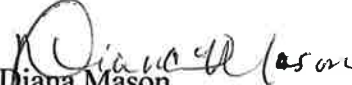
Ladies and Gentlemen:

Enclosed find the list of APDs that is being rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded as of February 19, 2015.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

  
Diana Mason  
Environmental Scientist

cc: Well File  
Brad Hill, Technical Service Manager



MYTON 6-30-3-1W	43-013-51045
HADDEN 7-29-3-1W	43-013-51066
GERMAN 9-33-2-1W	43-013-51123